SRO 32/100

kV dependent max mA values for exposure times ≤ 100ms in combination with Optimus 80kW

kV	SF [µA]	LF [µA]	kV	SF [µA]	LF [µA]	kV	SF [µA]	LF [µA]	kV	SF [µA]	LF [µA]
40	203000	859000	70	394000	1100000	**100**	**300000**	**800000**	130	230769	615384
41	210400	889200	71	396851	1100000	101	297029	792079	131	229007	610687
42	217800	919400	72	399702	1100000	102	294117	784313	132	227272	606060
43	225200	949600	73	402553	1095890	103	291262	776699	133	225563	601503
44	232600	979800	74	405405	1081081	104	288461	769230	134	223880	597014
45	240000	1010000	75	400000	1066666	105	285714	761904	135	222222	592592
46	247600	1039400	76	394736	1142857	106	283018	754716	136	220588	588235
47	255200	1068800	77	389610	1038961	107	280373	747663	137	218978	583941
48	262800	1098200	78	384615	1025641	108	277777	740740	138	217391	579710
49	270400	1100000	79	379746	1012658	109	275229	733944	139	215827	575539
50	278000	1100000	80	375000	1000000	110	272727	727272	140	214285	517142
51	285200	1100000	81	370370	987654	111	270270	720720	141	212765	567375
52	292400	1100000	82	365853	975609	112	267857	714285	142	211267	563380
53	299600	1100000	83	361445	963855	113	265486	707964	143	209790	559440
54	306800	1100000	84	357142	952380	114	263157	701754	144	208333	555555
55	314000	1100000	85	352941	941176	115	260869	695652	145	206896	551724
56	320800	1100000	86	348837	930232	116	258620	689655	146	205479	547945
57	327600	1100000	87	344827	919540	117	256410	683760	147	204081	544217
58	334400	1100000	88	340909	909090	118	254237	677966	148	202702	540540
59	341200	1100000	89	337078	898876	119	252100	672268	149	201342	536912
60	348000	1100000	90	333333	888888	120	250000	666666	150	200000	533333
61	352600	1100000	91	329670	879120	121	247933	667757			
	357200	1100000	92	326086	869565	122	245901	655737			
	361800	1100000	93	322580	860215	123	243902	650406			
	366400	1100000	94	319148	851063	124	241935	645161			
	371000	1100000	95	315789	842105	125	240000	640000			
	375600	1100000	96	312500	833333	126	238095	634920			
	380200	1100000	97	309278	824742	127	236220	629921			
	384800	1100000	98	306122	816326	128	234375	625000			
	389400	1100000	99	303030	808080	129	232558	620155			

These are the default values of the tube data file TUBE_R2.TDL or TUBE_R3.TDL.
Typically there are no changes after adaptation except there are reductions due to the max generator power (Optimus 50kW = 650mA max; Optimus 65kW = 900mA max) or if the filament does not have its full emission anymore (e.g. from shorted filament loops).
The red marked emission current values (at 74kV SF and 49kV LF) are the max emission currents at a kV value from which on the filament current can be reduced to achieve its max load performance.